



CERTIFICATE OF MAILING

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AUG 29 2001

TC 2800 MAIL ROOM

Aug 21, 2001  
Date of Deposit

David W. Okey, Reg. No. 42,959

Name of Applicant, Assignee or  
Registered Representative

David W. Okey  
Signature

Aug 21, 2001  
Date of Signature

Our Case No.: 01 P 09241 US  
(10808/27)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Sasan Cyrusian

Serial No.: 09/866,269

Filing Date: May 25, 2001

For: Differential CMOS Controlled Delay  
Unit

Examiner: N/A

Group Art Unit No.: N/A

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JAN 29 2002  
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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed below and on the attached Form PTO-1449 be considered by the Examiner and

made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

The references now cited are the following:

#### U.S. Patent Documents

Document No.	Date	Inventor
5,373,228 ✓	12/1994	Holle
5,461,335 ✓	10/1995	Tsuchiya
5,498,953 ✓	03/1996	Ryat
5,550,500 ✓	08/1996	Stephens, Jr. et al.
5,640,681 ✓	06/1997	Barrett, Jr. et al.
5,666,088 ✓	09/1997	Penza
5,673,212 ✓	09/1997	Hansen
5,680,038 ✓	10/1997	Fiedler
5,977,805 ✓	11/1999	Vergnes et al.
5,982,214	11/1999	Kim
6,052,025	04/2000	Chang et al.
6,087,874	07/2000	Hogeboom
6,087,903	07/2000	Kanno
6,215,364	04/2001	Hwang et al.

#### Other Art

"SYNCHRONOUS RECORDING CHANNELS - PRML & BEYOND", rev. 5.61 14.E.18, 1999, published by Knowledge Tek, Inc., Broomfield, Colorado.

"PRML: Seagate Uses Space Age Technology" available on the Internet at <http://www.seagate.com/support/kb/disc/prml.html>, 2 pages, last accessed 4/9/01

"Technologies - PRML" available on the Internet at [http://www.idema.org/about/industry/ind\\_tech\\_prml.html](http://www.idema.org/about/industry/ind_tech_prml.html), 1 page, last accessed 4/9/01.

"Reference Guide - Hard Disk Drives" available on the Internet at <http://www.storagereview.com/guide2000/ref/hdd>, 13 pages, last accessed 4/9/01.

"MR AND PRML: TECHNOLOGIES IN SYNERGY" available at on the Internet at [http://www.lionsgate.com/Home/Baden/public\\_html\\_index/SCSI/Quantum\\_White\\_Paper\\_s/MR\\_Head/MR](http://www.lionsgate.com/Home/Baden/public_html_index/SCSI/Quantum_White_Paper_s/MR_Head/MR), 4 pages, last accessed 4/9/01."

"A Tutorial on Convolutional Coding with Viterbi Decoding" available on the Internet at <http://pw1.netcom.com/~chip.f/viterbi/tutorial.html>, 10 pages, last accessed 4/9/01.

Park, Chan-Hong, et al., "A Low-Noise, 900-MHz VCO in 0.6- $\mu$ m CMOS," *IEEE Journal of Solid-State Circuits*, Vol. 34, No. 5, May 1999.

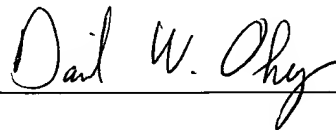
Yan, William S.T., et al., "A 2-V 900-MHz Monolithic CMOS Dual-Loop Frequency Synthesizer for GSM Receivers," *IEEE Journal of Solid-State Circuits*, Vol. 36, No. 2, February 2001.

In accordance with 37 C.F.R. § 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

This Information Disclosure Statement is being filed prior to the receipt of the first Official Action reflecting an examination on the merits and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these material, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925. A duplicate copy of this document is enclosed.

Applicant(s) respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "David W. Ohay", is written over a horizontal line.

Registration No.  
Attorney for Applicant(s)

BRINKS HOFER GILSON & LIONE  
P.O. Box 10395  
Chicago, IL 60610  
(312) 321-4200



28/2

TRANSMITTAL LETTER			Case No. 01 P 09241 US (10808/27)
Serial No. 09/866,269	Filing Date May 25, 2001	Examiner N/A	Group Art Unit N/A
Inventor(s) Sasan Cyrusian			
Title of Invention Differential CMOS Controlled Delay Unit			

## TO THE COMMISSIONER FOR PATENTS

Transmitted herewith is Information Disclosure Statement (in dup.); Form PTO-1449; 22 cited references; and return post cards.

- ☐ Small entity status of this application under 37 CFR § 1.27 has been established by verified statement previously submitted.
- ☐ A verified statement to establish small entity status under 37 CFR §§ 1.9 and 1.27 is enclosed.
- ☐ Petition for a \_\_\_\_\_ month extension of time.
- ☒ No additional fee is required.
- ☐ The fee has been calculated as shown below:

	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra
Total		Minus		
Indep.		Minus		
First Presentation of Multiple Dep. Claim				

Small Entity	
Rate	Add'l Fee
x \$9=	
x 40=	
+\$135=	
Total add'l fee	\$

or

Other Than Small Entity	
Rate	Add'l Fee
x \$18=	
x \$80=	
+\$270=	
Total add'l fee	\$

- ☐ Please charge Deposit Account No. 23-1925 (BRINKS HOFER GILSON & LIONE) in the amount of \$\_\_\_\_\_. A duplicate copy of this sheet is enclosed.
- ☐ A check in the amount of \$\_\_\_\_\_ to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this communication or credit any overpayment to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.
- ☒ I hereby petition under 37 CFR § 1.136(a) for any extension of time required to ensure that this paper is timely filed. Please charge any associated fees which have not otherwise been paid to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

*David W. Okey*  
David W. Okey  
Registration No. 42,959  
Attorney for Applicant

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Date: Aug 21, 2001 Signature: David W. Okey